

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/653,680	
Source:	1FWO.	
Date Processed by STIC:	3/29/04-	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry directly to (EFFECTIVE 12/01/03):
 U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two.
 2011 South Clark Place, Arlington, VA 22202
- 4 Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1803-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/653,680			
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE				
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."			
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.			
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.			
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.			
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.			
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.			
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.			
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000			
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.			
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence			
Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)			
12Patentln 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.			
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid			



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/653,680

DATE: 03/29/2004 TIME: 13:27:28

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  9 <140> CURRENT APPLICATION NUMBER: 10/653,680
10 <141> CURRENT FILING DATE: 2003-09-02
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July 1800 Meet 180 Meet 
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	gca gcc gca gcg gca gcg cag agc gcg cag ca	736
344	45 50 55 cag cag cag cag cag cag ccg cag ctg aga ccg gcg gcc gac ggc	784
347 348 350	Gln Gln Gln Gln Gln Ala Pro Gln Leu Arg Pro Ala Ala Asp Gly 60 65 70 cag ccc tca ggg ggc ggt cac aagtcagcgc ccaagcaagt caagcgacag	835
	Gln Pro Ser Gly Gly His	
	cgctcgtctt cgcccgaact gatgcgctgc aaacgccggc tcaacttcag cggctttggc	895
	tacageetge egeageagea getgetggae gageatgaeg eggtgagege egeetteeag	955
358	gcaggcgtcc tgtcgcccac catctccccc aactactcca acgacttgaa ctccatggcc	1015
	ggctcgccgg tctcatccta ctcgtcggac gagggctctt acgacccgct cagccccgag	1075
	gageaggage ttetegaett caceaactgg ttetgagggg eteggeetgg teaggeeetg	1135
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	cagtggcgtt gggagggga gaaaaggaaa agaaaaaaa agaagaag	1255
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	ttcacggaga tatgaagagc aactgggacc tgagtcaatg cgcaaaatgc agcttgtgtg	1435
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	gagagagaaa aatttataga agttttgtac aaatggttta aaatgtgtat atcttgatac	1915
	tttaacatgt aatgctatta cctctgcata ttttagatgt gtagttcacc ttacaactgc	1975
	aattttccct atgtggtttt gtaaagaact ctcctcatag gtgagatcaa gaggccacca	2035 2095
	gttgtacttc agcaccaatg tgtcttactt tatagaaatg ttgttaatgt attaatgatg	
	ttattaaata ctgttcaaga agaacaaagt ttatgcagct actgtccaaa ctcaaagtgg	2155
	cagccagttg gttttgatag gttgcctttt ggagatttct attactgcct ttttttctt	2215 2275
	actgttttat tacaaactta caaaaatatg tataaccctg ttttatacaa actagtttcg	2304
	taataaaact ttttcctttt tttaaaatg	2304
	<210> SEQ ID NO: 6	
	<211> LENGTH: 79	
	<212> TYPE: PRT	
408	<213> ORGANISM ARTIFICIAL Jane <220> FEATURE:	
410	\ZZUZ FEATURE.	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/653,680

DATE: 03/29/2004 TIME: 13:27:29

Input Set : $A:\U 014797-5.ST25.txt$

Output Set: N:\CRF4\03292004\J653680.raw

nvalid <213> Response:

se of "Artificial" only as "<213> Organism" response is incomplete, er 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

eq#:1,2,3,4,5,6

VERIFICATION SUMMARY

DATE: 03/29/2004

PATENT APPLICATION: US/10/653,680

TIME: 13:27:29

Input Set : A:\U 014797-5.ST25.txt

Output Set: N:\CRF4\03292004\J653680.raw